

Pixel Pulse

Unplugged

Winter Edition Volume #1
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```
const newsletter = {
```

```
  techNews: "Latest Tech News", techTrends:  
  "Popular Tech Trends", startups: "Spotlight on  
  New Startups & Innovations", techHacks: "Tech  
  Hacks to Make Life Easier", fun: "Tech Riddles &  
  Quizzes", topPicks: "Our Top Tech Choices"  
};
```

```
console.log(newsletter);
```

Tech Pulse

Recent investigations indicate that sophisticated phone surveillance technology may have been used during the 2024 Democratic National Convention. This may include cell-site simulators, or "stingrays," which mimic cell towers to intercept mobile data from nearby devices. The presence of such surveillance tools raises serious concerns about privacy violations, data security, and the potential targeting of attendees, sparking renewed debates over digital privacy and government oversight.

Next in Tech

2024 saw remarkable tech advancements, particularly in healthcare and space exploration. AI-powered diagnostics and personalized medicine gained prominence, with machine learning algorithms detecting early signs of diseases like cancer and Alzheimer's, enabling proactive treatment. Gene-editing technologies like CRISPR-Cas9 also advanced, offering new treatments for genetic disorders. In space, increased private sector involvement made space more accessible, with reusable rockets and improved satellite technology enabling more cost-effective missions. Progress in life support systems and radiation shielding furthered long-duration space travel. These breakthroughs underscore technology's transformative role in tackling global challenges.

Innovators Insight

CosmoSort, developed by Meteor Biotech, is a cell sorting technology that preserves the spatial context of cells while isolating specific target cells. Unlike traditional methods, which remove cells from their environment, CosmoSort uses near-infrared laser pulses to extract cells from tissue samples while maintaining their natural state and location. This allows for detailed analysis of cellular diversity and disease, such as in cancer research. The technology has already helped scientists identify key genetic changes in cancer cells, and future updates will include AI features and integrated fluorescence microscopes.

Tech Hacks

If you've accidentally dropped your iPhone in water, you can use a clever Water Eject Shortcut to help expel some water from the speaker. First, download the Shortcuts app from the App Store if you haven't already. Then, create a new shortcut by adding the "Play Sound" action and selecting the "Water Eject" sound. Once set up, you can run this shortcut to play a sound at a frequency that helps push water out of the speaker grille. While this can assist, it's still important to dry your iPhone manually and let it air-dry or use silica gel to absorb excess moisture.

Our Top Picks

Delta Airline's expressive message through tech:

The 'Wow' Moment That Blew Me Away at CES 2025: Big Tech Should Pay Attention - CNET

Using Generative AI like a pro:

How to Create AI Images: A Complete Guide With Expert Advice - CNET

Sources

[https://www.bing.com/search?
q=crispr+advancements+in+2024&cvid=
06397a7050574357b45d994569940b0
7&gs_lcrp=EgRlZGdlKgYlABBBFGDkyBgg
AEEUYOdIBCTEwOTc4ajBqOagCALAC
AQ&FORM=ANAB01&PC=U531](https://www.bing.com/search?q=crispr+advancements+in+2024&cvid=06397a7050574357b45d994569940b07&gs_lcrp=EgRlZGdlKgYlABBBFGDkyBggAEEUYOdIBCTEwOTc4ajBqOagCALACAQ&FORM=ANAB01&PC=U531)

[https://techcrunch.com/2025/01/10/tiktok
-ban-how-both-sides-made-their-case-
to-the-supreme-court-and-what-the-
justices-asked/](https://techcrunch.com/2025/01/10/tiktok-ban-how-both-sides-made-their-case-to-the-supreme-court-and-what-the-justices-asked/)

[https://www.the-scientist.com/2024-
top-10-innovations-72342](https://www.the-scientist.com/2024-top-10-innovations-72342)